NGAF M5600-F-I is the ideal Converged Security solution for medium to large enterprise and data center deployment.

**Performance & Capacity**
- **NGAF M5600-F-I**
  - Dimension: 2U
  - Firewall Throughput: 50Gbps
  - NGFW Throughput\(^1\): 23Gbps
  - WAF Throughput: 23Gbps
  - IPS & WAF Throughput: 14Gbps
  - Threat Protection Throughput\(^2\): 18Gbps
  - IPSEC VPN Throughput: 3Gbps
  - Max IPSEC VPN Tunnels: 4,000
  - Concurrent Connections (TCP): 4,000,000
  - New Connections (TCP): 300,000
  - Dual Power Supplies: Yes

**Hardware Specifications**
- **NGAF M5600-F-I**
  - RAM: 16GB
  - Storage HD Capacity\(^3\): 128GB SSD + 480G SSD
  - Power [Watt] Max: 150W
  - Operating Temperature: 0 - 45°C
  - Humidity: 5% - 90%, non-condensing
  - System Weight: 12.95 Kg
  - System Dimensions (L * W * H, mm): 600 x 440 x 90

**Network Interfaces**
- **NGAF M5600-F-I**
  - Bypass (Copper): 3 pairs
  - 10/100/1000 Base-T: 6
  - SFP: 4
  - 10G Fiber SFP: 2

**Network Modules (Total/Available)**
- **NGAF M5600-F-I**
  - Per network module can add one of the NICs below:
    - 2 x GE RJ45
    - 2 x GE SFP
    - 4 x GE RJ45
    - 4 x GE SFP
    - 8 x GE RJ45
    - 8 x GE SFP
    - 2 x 10GE SFP
    - 4 x 10GE SFP
    - 2 x 40GE QSFP+

**Deployment Modes**
- **End-to-End Protection**
  - End-to-end protection from endpoint to business system
  - Total visibility of the entire organization security status
  - Provides High Availability features with Multi-line HA and Load Balancing
  - Proactive early detection and prevention at the gateway to prevent attacks from reaching the network

- **Double Security (2nd-Tier Firewall)**
  - Double protection which complements existing firewall security policies to ensure full protection
  - Providing regulatory compliance
  - Simplified deployment, reducing downtime
  - Provides flexibility of security design and security policies for different business requirements

- **DMZ Protection**
  - Dedicated business system protection for advance protection, without impacting other networks
  - Providing regulatory compliance
  - Simplified deployment, reducing downtime
  - Minimize operation and maintenance works to monitor and troubleshoot security incidents

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\(^1\) NGFW is measured with Firewall, Bandwidth Management, IPS, Application Control

\(^2\) Threat Prevention is measured with Firewall, Bandwidth Management, IPS, Application Control, Anti-Virus

\(^3\) Other storage options: 64GB SSD + 960G SSD, 64GB SSD + 2TB SATA
1. **Lower TCO Converged Security Solutions**
   - Fully converged security solution from endpoint to business systems, without the needs of manual integration & consolidation of each feature, as well as additional hardware, which results in lower operational and maintenance costs.

2. **Comprehensive Business Systems Protection**
   - Comprehensive business systems protection with built-in Web Application Firewall and Vulnerability Scanners, which is critical for internal systems as well as "internet-facing" systems. Business systems protection is easily enabled via advanced license, without any integration or additional appliance required.

3. **User Friendly**
   - A single simplified operation & maintenance with interactive GUI, which provides ease of configuration, maintenance, troubleshooting and reporting for IT managers, administrators and operations team.

### Security Features

1. **Converged Security**
   - Integrated L2–L7 Security features:
     - DoS/DDoS: Inbound, Outbound, Attack Protection
     - Content Security
     - IPS
     - Anti-virus
     - Engine Zero: AI based anti-malware, anti-virus
     - APT
     - WAF
     - Data Leakage Prevention
     - Bandwidth Management
     - Real-Time Vulnerability Scanner
     - Security Reporter
     - Neural-X: Cloud threat intelligence and analytics

2. **Comprehensive WAF**
   - Web Application Firewall (WAF)
   - Semantic Engine
   - Support OWASP Top 10 WAF requirements
   - Recommended by NSS

### Software Features

- **Networking**
  - Interface: Physical Interface, Sub Interface, VLAN Interface, Aggregated Interface
  - Routing: Static, Policy-based, RIP, OSPF, BGP
  - Network Functions: ARP, DNS, DHCP, SNMP, NAT, High Availability

- **Access Control**
  - User: Import / export from external server
  - Authentication: SSO/LDAP/RADIUS
  - Application: ACL and application rules
  - URL Filter: Supported

- **VPN**
  - SANGFOR VPN, IPSEC VPN and SSL VPN supported
  - SDWAN auto path selection

- **Management**
  - SNMP v1, v2c, v3
  - Syslog
  - Real-Time Vulnerability Scanner
  - Central management

### Hardware Description

- **1. Management Console**
- **2. USB ports**
- **3. Default Interface**
- **4. Line Interface**
- **5. Power outlet**
- **6. Switch**
- **7. Fan Trays**
- **8. LED Indicators**

All Pictures shown are for illustration purpose only. Actual Product may vary.

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**NGAF M5600-F-I Ordering Guide**

<table>
<thead>
<tr>
<th>SKU</th>
<th>Description</th>
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<tbody>
<tr>
<td>ESS-56-1/2/3/5Y</td>
<td>M5600-F-I, Essential Bundle (30 SSL VPN license, Site-to-Site IPsec VPN, FW, BM, URL filtering, Application Control, IPS, Email Security, Risk Assessment, Security Visibility, Basic Security Reporter)</td>
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<tr>
<td>PM-56-1/2/3/5Y</td>
<td>M5600-F-I, Premium Bundle (30 SSL VPN license, Site-to-Site IPsec VPN, FW, BM, URL filtering, Application Control, IPS, Email Security, Risk Assessment, Security Visibility, Basic Security Reporter, Engine Zero, Neural-X)</td>
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**“A La Carte” Subscription License**

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<tr>
<td>FNX56-1/2/3/5Y</td>
<td>M5600-F-I, Neural X License, Threat Intelligence &amp; Analytics, Unknown Threat &amp; Advanced Threat Defense, Value-Added Cloud Service</td>
</tr>
<tr>
<td>FEZ56-1/2/3/5Y</td>
<td>M5600-F-I, Engine Zero License, AI powered Malware Detection, Anti-malware, Anti-virus</td>
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**Sangfor Support Services**

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<th>Description</th>
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<tr>
<td>ST56-12/3/5Y</td>
<td>M5600-F-I, NGAF Software Upgrade, 24x7 Technical Support Services</td>
</tr>
<tr>
<td>HR5656-12/3/5Y</td>
<td>M5600-F-I, NGAF Return to Factory (5 Business days ship after receipt)</td>
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<tr>
<td>HS55-12/3/5Y</td>
<td>M5600-F-I, NGAF, SDS Hardware Service</td>
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<tr>
<td>HNBD56-12/3/5Y</td>
<td>M5600-F-I, NGAF, NBD Hardware Service</td>
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<tr>
<td>H244G56-12/3/5Y</td>
<td>M5600-F-I, 24x7x4 Delivery-Hardware Service</td>
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For more information on Sangfor full range of support & services, please contact your local representative.